

## ABSTRACT OF THE DISCLOSURE

A thin-film magnetic has a coil toroidally wound around a magnetic layer. The coil includes a plurality of first  
5 coil segments that cross over the magnetic layer; a coil insulating layer covering the first coil segments, the magnetic layer being formed on the coil insulating layer; a plurality of second coil segments that cross over the magnetic layer, the second coil segments being formed on the  
10 coil insulating layer; and a plurality of bank layers disposed at two sides of the magnetic layer in the track width direction, the bank layers being electrically connected with ends of the first coil segments. Each second coil segment in the track width direction are electrically  
15 connected with upper faces of the bank layers to connect ends of the adjacent first coil layers with each other via the second coil segments. According to this structure, the second coil segments can be accurately formed by patterning.